



Atty. Dkt. No. 079328-0105

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: A. Robin POOLE
Title: PRODUCTS FOR REGULATING THE DEGRADATION OF COLLAGEN
AND METHODS FOR IDENTIFYING SAME
Appl. No.: 10/674,065
Filing Date: 09/30/2003
Examiner: Unknown
Art Unit: 1642

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98. Copies of H. Klippel et al. (2001), Hollander A.P. et al. (1994b), R.C. et al. (1997) and Visconti et al. (1996), which are described in the specification, could not be located in time for this filing, but will be submitted as soon as possible.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.



TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

RELEVANCE OF EACH DOCUMENT

All of the documents are in English.

The relevance of the documents are described in the present specification.

Applicant respectfully requests that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date April 30, 2004

By Stephen B. Maebius

FOLEY & LARDNER LLP

Customer Number: 22428

Telephone: (202) 672-5569

Facsimile: (202) 672-5399

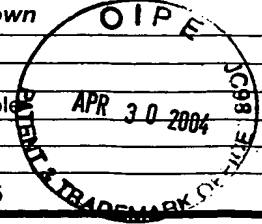
Stephen B. Maebius

Attorney for Applicant

Registration No. 35,264

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/674,065
Date Submitted: April 30, 2004		Filing Date	09/30/2003
(use as many sheets as necessary)		First Named Inventor	A. Robin Poole
		Group Art Unit	1642
		Examiner Name	Unknown
		Attorney Docket Number	079328-0105
Sheet	1	of	4



U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A1		WO 94/14070	A1	Shriner's Hospital for Crippled Children	06/23/1994		

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ⁶
	A2	Akizuki, S. <i>et al.</i> , <i>J. Orthop. Res.</i> 4:379-92 (1986)		
	A3	B. Henderson, J.C.W. Edwards, and E.R. Pettipher (ed.): <i>Mechanisms and Models in Rheumatoid Arthritis</i> , pp. 163-204, London, Academic Press, 1995		
	A4	Billinghurst, R.C. <i>et al.</i> <i>J. Clin. Invest</i> 99(7):1534-1545 (1997)		
	A5	Borden, P. <i>et al.</i> , <i>J. Biol. Chem.</i> 271:23577-81 (1996);		
	A6	Chomczynski, P. <i>et al.</i> , <i>Anal. Biochem.</i> 162:156-9 (1987))		
	A7	Dahlberg, L. <i>et al.</i> , <i>Arthritis Rheum.</i> 43(3):673-82 (2000)		

Examiner Signature	Date Considered
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		Examiner Name	Unknown
Sheet 2 of 4	Attorney Docket Number	079328-0105	

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A8	Dodge, G.R. and Poole, A.R., <i>J. Clin. Invest.</i> 83(2):647-61 (1989)	
	A9	Eyre, D.R. <i>et al.</i> , <i>J. Rheumatol. Suppl.</i> 27:49-51 (1991)	
	A10	Freemont, A.J. <i>et al.</i> , <i>Ann. Rheum. Dis.</i> 56:542-9 (1997)	
	A11	Goldring, M.B. <i>Arthritis Rheum.</i> 43:1916-1926 (2000)	
	A12	Guilak F. <i>et al.</i> , <i>J. Orthop. Res.</i> 12(4):474-84 (1994)	
	A13	Hollander, A.P. <i>et al.</i> , <i>J. Clin. Invest.</i> 96:2859-69 (1995)	
	A14	Hollander, A.P. <i>et al.</i> , <i>J. Clin. Invest.</i> 93:1722-32 (1994)	
	A15	Jennings, L. <i>et al.</i> , <i>Connect. Tissue Res.</i> 42(1):71-86 (2001)	
	A16	Kammermann, J.R. <i>et al.</i> , <i>Osteoarthritis Cartilage</i> 4:23-34 (1996);	
	A17	Kempson, G.E. <i>et al.</i> , <i>Biochim. Biophys. Acta.</i> 297:456-72 (1973)	

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Sheet	3	of	4

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	A18	Knowlton, R.G. <i>et al.</i> , <i>New Engl. J. Med.</i> 322(8):526-30 (1990)	
	A19	Koopman WJ, (ed): <i>Arthritis and Allied Conditions: A Textbook of Rheumatology</i> , 14 th Edition, pp. 187-208, Lippincott, Williams & Wilkins, Philadelphia, 2001	
	A20	MacNaul, N.K. <i>et al.</i> , <i>J. Biol. Chem.</i> 265:17238-17245 (1990)	
	A21	Mayne R. <i>et al.</i> , <i>J. Biol. Chem.</i> 276(15):12212-12221 (2001)	
	A22	Mitchell, P.G. <i>et al.</i> , <i>J. Clin. Invest.</i> 97:761-768 (1996)	
	A23	Nelson, F. <i>et al.</i> <i>J. Clin. Invest.</i> 102:2115-25 (1998)	
	A24	Poole, A.R. <i>et al.</i> , <i>Acta Orthop. Scand. Suppl.</i> 266:88-91 (1995)	
	A25	Poole, A.R. <i>et al.</i> , <i>Clin. Orthop.</i> 391:S26-33 (2001)	
	A26	R.W. Moskowitz <i>et al.</i> (ed): <i>Osteoarthritis: Diagnosis and Medical Surgical Management</i> , 3 rd Edition, pp. 29-47	

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Sheet	4	of	4	Attorney Docket Number	079328-0105

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	A27	Reboul, P. <i>et al.</i> , <i>Arthritis Rheum.</i> 44:73-84 (2001)	
	A28	Ritvaniemi, P. <i>et al.</i> , <i>Arthritis Rheum.</i> 38(7):999-1004 (1995)	
	A29	Royce, P.M., Steinmann, B. (ed): <i>Connective Tissue and its Heritable Disorders. Molecular, Genetic and Medical Aspects</i> , pp. 103-147, New York, Wiley-Liss, 1993	
	A30	Setton, L.A. <i>et al.</i> , <i>J. Orthop. Res.</i> 4:451-63 (1994)	
	A31	Shlopov, B.V. <i>et al.</i> , <i>Arthritis Rheum.</i> 40:2065-74 (1997)	
	A32	Shlopov, B.V. <i>et al.</i> , <i>Arthritis Rheum.</i> 43:195-205 (2000)	
	A33	<i>Sustained and Controlled Release Drug Delivery Systems</i> , J.R. Robinson, ed., Marcel Dekker, Inc., New York, 1978.	
	A34	W.J. Koopman (ed.): <i>Arthritis and Allied Conditions: A Textbook of Rheumatology</i> , 14 th Ed., Vol. 1., pp. 226-284	
	A35	Wu, W. <i>et al.</i> , <i>Arthritis Rheumatism</i> , 46:2087-2094 (2002)	

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